

Inside Wallops

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NASA Researchers Studying Tropical Cyclones Wallops Provides Support



NASA hurricane researchers are traveling to Costa Rica from July 1 to 28 to investigate the birthplace of eastern Pacific tropical cyclones. They will be searching for clues that could lead to a greater understanding and better predictability of one of the world's most significant weather events: the hurricane.

As scientists and coastal residents brace for another potentially challenging hurricane season, NASA is launching the Tropical Cloud Systems and Processes (TCSP) mission. TCSP is a month-long research effort primarily intended to document "cyclogenesis," the birth of tropical storms, hurricanes and related phenomena.

Researchers will monitor oceanic thunderstorms to study why some systems develop into tropical cyclones and some do not. Researchers feel the data is vital to understanding how such weather systems evolve and travel. The data also

could support development of a more accurate and timely warning system to help safeguard property and lives.

A team of atmospheric scientists, engineers and aircraft personnel will take up residence in San Jose, Costa Rica during July. The NASA team will work with the NOAA and Costa Rican Centro Nacional de Alta Tecnologia (CENAT). The team will conduct ground-based and airborne studies to measure the buildup and behavior of tropical storm systems on Costa Rica's east and west coasts.

Missions will be flown over the region using NASA's ER-2 and NOAA's WP-3D Orion aircraft and with unmanned aerial vehicles (aerosondes). The unmanned flights will be managed in conjunction with NASA's Wallops Flight Facility. Anthony Guillory, Wallops Aircraft Office, is the principal investigator, and Dave Easmunt, Range and Mission Management Office, is the project manager for Aersonde. The

airborne experiments will collect temperature, humidity, precipitation, and wind information related to tropical cyclones and other phenomena that often lead to development of more powerful storms at sea. Field operations will take advantage of several NASA and NOAA satellites.

Researchers also will be able to take advantage of their proximity to the Caribbean and the western Gulf of Mexico, studying tropical systems off Costa Rica's eastern shores during more mature phases of development.

"Building on a quarter century of ever improving space-borne observations of the Earth, we are entering an exciting new era. It will be using information collected by satellites and uninhabited aerial vehicles to the best advantage for improved weather prediction and other societal benefits," said Robbie Hood, an atmospheric scientist at the Marshall Space Flight Center.

Employee Appreciation Picnic

Thursday, June 30, 2005

11 a.m. - 1 p.m.

Free Food and Entertainment

The Executive Board of the Wallops Exchange and Morale Association (WEMA) wishes to thank Wallops employees for their hard work and patronage of the Cafeteria, Exchange, and Rocket Club. Come join your co-workers for a WEMA-sponsored picnic.

Entertainment will be provided by members of the Wallops Music Club, including the Acoustic Group (Unplugged) and Voices of Wallops.

60
years of
exploration
NASA Wallops Flight Facility
1945-2005

**NASA Safety Training
Liquid Nitrogen Safety
July 14, 8 a.m. to noon
Building E-2 classroom**

A registration form is located at:
<http://www.wff.nasa.gov/%7Ecode803/flyers/Liquid%20Nitrogen.doc>

These courses are offered at no cost to all NASA and contractor employees. See the web link for detailed information about each course. Personnel interested in attending need to complete and submit a training registration request or contact Marvin Bunting at marvin.n.bunting.1@gsfc.nasa.gov or call x2030.

Battery Recall



There is another recall on notebook computer batteries.

They have a possibility of catching on fire.

Please check you computers for this type of battery:

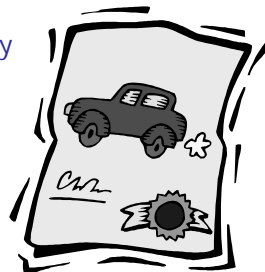
CPSC, Battery-Biz Announce Recall of Notebook Computer Batteries.

<http://www.cpsc.gov/cpscpub/prerel/prhtml05/05204.html>><http://www.cpsc.gov/cpscpub/prerel/prhtml05/05204.html>

Inaugural Skeeter Car Show

June 28, 2005
11 a.m. - 2 p.m.
Cropper Center

Participant Entry Fee: \$10
Includes: Lunch, Raffle Ticket & Dash Plaque



\$5.00 Cookout for non-participants

Contact: LT Peter Spurr, 854-1535, or pspurr@scsc.wal.nswc.navy.mil

**NASA Day at Kings Dominion
Saturday, July 16, 2005**

Adults: ages 13 and up - \$32 purchased by June 30th / \$35 after June 30th
Children: Ages 3 to 13 - \$27 purchased by June 30th / \$30 after July 1st
Children 2 and under are admitted free

Price of ticket includes an all you can eat lunch.

Tickets are available at the Exchange Store, Building E-2. Call Karen Shannon at x2020 for more information



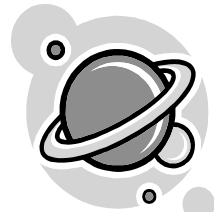
Independence Day, July 4, is regarded as the birthday of the United States as a free and independent nation. The holiday recalls the signing of the Declaration of Independence on July 4, 1776.

Have a safe holiday!

**July Events at the
NASA Visitor Center**

Saturday, July 2: Model Rocket Launch
A model rocket launch will be held at 1 p.m. on the Visitor Center grounds. Models of various rockets will be launched. Model rocketeers are invited to bring their own rockets and launch them. The launch will be canceled if it is raining or winds exceed 18 mph.

Saturday July 9: "Ring Around the Planet" Learn more about Saturn and build your own model of the giant gas planet to take home. The program begins at 1 p.m. and will last 30 minutes.



Saturday, July 16: Model Rocket Launch
A model rocket launch will be held at 1 p.m. on the Visitor Center grounds.

Saturday, July 23: Milky Ways and Globular Clusters
Discover the Milky Way and our neighboring galaxies. Following the presentation, each family will make their own Galactic Mobile. The program begins at 1 p.m. and will last 35 minutes.

Saturday July 30: Earth Image Bingo
Discover NASA's involvement in helping us understand and protect our home planet through a fun and interactive game of bingo. This program begins at 1 p.m. and lasts 40 minutes.

The Visitor Center is open daily beginning June 30 from 10 a.m. to 4 p.m. Admission to Visitor Center programs is free. For further information, call x2298.

Wallops Shorts.....

In the News

Space News

"NASA Tests Global Warming Sensor for Use on Future Satellite"

Space News

"Balloon-Based Telescope Launched From Sweden"

Inside Wallops is an official publication of Goddard Space Flight Center and is published by the Wallops Office of Public Affairs, Extension 1584, in the interest of Wallops employees. Recent and past issues of *Inside Wallops* also may be found on the NASA Wallops Flight Facility homepage: www.wff.nasa.gov

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